



International Journal of Infectious Diseases

OFFICIAL PUBLICATION OF THE INTERNATIONAL SOCIETY FOR INFECTIOUS DISEASES

Editor-in-Chief
D. William Cameron

Professor of Medicine, Division of Infectious Diseases, University of Ottawa at The Ottawa Hospital
TOH-General Campus, Box 228, 501 Smyth Road
Ottawa, Ontario K1H 8L6, Canada

Tel.: +001 613 737 8923; Fax: +001 613 737 8925; email: ijid.editor@gmail.com

Associate Editor

Dr Karamchand Ramotar (PhD)
Georgetown, Guyana
karamchand.ramotar@gmail.com

Assistant Editor

Ms Madzouka Kokolo MSc (Epi)
ijid.assist@gmail.com

Editorial Office

Annette Fowler
Tel.: +44 (0) 1865 843672
Fax: +44 (0) 1865 843992
ijid@elsevier.com

Corresponding Editors

Dr. Timothy Barkham
Singapore
timothy_barkham@ttsh.com.sg

Dr. Sheldon Brown
New York, USA
Sheldon.brown@med.va.gov

Dr. J. Peter Donnelly
Nijmegen, The Netherlands
p.donnelly@usa.net

Dr. Dean Fergusson
Ottawa, Canada
dafergusson@ohri.ca

Prof. Maria Guzman
Havana, Cuba
lupe@ipk.sld.cu

Prof. Andy I. M. Hoepelman
Utrecht, The Netherlands
i.m.hoepelman@umcutrecht.nl

Dr. Mark Holodniy
California, USA
holodniy@stanford.edu

Prof. Meinolf Karthaus
Munich, Germany
MKarthaus@gmx.de

Prof. Craig Lee
Winnipeg, Canada
cleee@ottawahospital.on.ca

Dr. Ziad A. Memish
Riyadh, Saudi Arabia
zmemish@uottawa.ca

Dr. Karamchand Ramotar
Georgetown, Guyana
karamchand.ramotar@gmail.com

Dr. Sunit K. Singh
Hyderabad, India
sunitsingh@ccmb.res.in

Dr. Vikas Trivedi
Meerut, India
drvikastrivedi@yahoo.co.in

Dr. Hubert Wong
Vancouver, Canada
hubert.wong@telus.net

Dr. Jane Zuckerman
London, UK
j.zuckerman@medsch.ucl.ac.uk

International Society for Infectious Diseases

Executive Committee

Keryn Christiansen (Secretary), Australia
Jonathan Cohen (Treasurer), UK
Ron Dagan, Israel
Raul Isturiz (Past-President), Venezuela
Adeeba Kamraulzaman, Malaysia

Keith Klugman (President-Elect), USA
Daniel Lew (President), Switzerland
Carol Odio, Costa Rica
Richard Wenzel, USA

Publications Committee

D. William Cameron
Keryn Christiansen
Raul Isturiz
Keith Klugman
Daniel Lew
Carl-Erik Nord
Didier Raoult
Richard Wenzel

Council

G. Acuña, *Chile*
Z. H. Al-Wahsh, *Jordan*
J. Bartlett, *USA*
Z. Bhutta, *Pakistan*
E. Bingen, *France*
N.C. Bodonaik, *Jamaica*
P. Cahn, *Argentina*
J. Cheng, *China*
A. Duse, *South Africa*
J. Ena, *Spain*
J. Farrar, *Vietnam*
B. Gilbert, *Australia*
B. Gordts, *Belgium*
N. Hanson-Nortey, *Ghana*
W. Hryniewicz, *Poland*
G. Kourí, *Cuba*
V. Krčmery, *Slovakia*

H.-S. Leu, *Taiwan*
C. Marino, *Colombia*
F.-X. Mbopi-Keou, *Cameroon*
Z. Memish, *Saudi Arabia*
E. Nicastrì, *Italy*
D. Pittet, *Switzerland*
S. Ponce de Leon, *Mexico*
R.K. Ratho, *India*
S. Roberts, *New Zealand*
M.C. Roy, *Canada*
R. Salvino, *The Philippines*
A. Shibl, *Egypt*
Y. Suputtamongkol, *Thailand*
J. Torres, *Venezuela*
C. Wendt, *Germany*
S. Wey, *Brazil*

Editorial Advisory Board

Awa Aidara-Kane, *Senegal*
Keryn Christiansen, *Australia*
Eduardo Gotuzzo, *Peru*
King K. Holmes, *USA*
Raúl Isturiz, *Venezuela*
T. Jacob John, *India*
Keith Klugman, *USA*
Davy Koech, *Kenya*
Shigeru Kohno, *Japan*
Vladimír Krčmery, *Slovak Republic*
Philippe Lepage, *Belgium*
Andrew Lever, *UK*
Andrew Onderdonk, *USA*
Samuel Ponce de Leon, *Mexico*
Didier Raoult, *France*
Rino Rappuoli, *Italy*
Jae-Hoon Song, *Republic of Korea*
Tania Sorrell, *Australia*
Thelma Tupasi-Ramos, *Philippines*

Officers of the ISID may be reached
at the Society's headquarters by Fax:
+1 617-278-9113